

Patent Claims

1. Closure which reacts to heat for pressurized water and extinguishant, characterized in that the outlet
5 opening (10) which is located at the end of the outlet channel (11) is closed by a cover plate (20) which is firmly connected to the nozzle body (2) by means of a melting initiator (5).

10 2. Closure according to Claim 1, characterized in that the melting initiator (5) is a solder with a defined rated temperature and a narrow melting range, and the connection between the cover plate (20) and the nozzle body (2) is a soldered joint.

15 3. Closure according to Claim 1, characterized in that the melting initiator (5) is an adhesive with a defined rated temperature and a narrow melting range, and the connection between the cover plate (20) and the
20 nozzle body (2) is an adhesively bonded joint.

4. Closure according to Claim 1, characterized in that a pin (21) which touches the cover plate (20) is arranged in the outlet channel (11) and outlet opening
25 (10).

5. Closure according to Claims 1 and 4, characterized in that the pin (21) is matched to the contours of the outlet channel (11) in an interlocking form over a
30 certain distance L.

6. Closure according to Claims 1 to 5, characterized in that the material used for the melting initiator (5) has a melting range with a maximum tolerance of 6°C.
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7. Closure according to Claims 1 to 6, characterized in that the melting range of the melting initiator (5) is a rated temperature range between 50°C and 300°C.

5 8. Closure according to Claims 1 to 7, characterized in that the holding force F of the connection by means of the melting initiator (5) is at least one and a half times greater than the force f acting on the cover plate (20) as a result of the pressure of the
10 extinguishant.

9. Closure according to Claim 5, characterized in that the pin (21) has a sealing element (23) in the region of the outlet channel (11).
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10. Closure according to Claim 5, characterized in that the pin (21) has a sealing element (23) in the region of the inlet channel (12).

20 11. Closure according to Claims 9 and 10, characterized in that the pin (21) and the cover plate (20) are produced integrally.